

## CLUSTAL W (1.83) Multiple Sequence Alignments

Sequence format is Pearson

Sequence 1: 2                    375 aa  
 Sequence 2: 4                    376 aa  
 Sequence 3: 6                    376 aa  
 Sequence 4: 8                    374 aa  
 Sequence 5: 10                   375 aa  
 Sequence 6: 12                   375 aa  
 Sequence 7: 14                   375 aa  
 Sequence 8: 16                   375 aa

Start of Pairwise alignments

Aligning...

Sequences (1:2) Aligned. Score: 96  
 Sequences (1:3) Aligned. Score: 94  
 Sequences (1:4) Aligned. Score: 91  
 Sequences (1:5) Aligned. Score: 99  
 Sequences (1:6) Aligned. Score: 94  
 Sequences (1:7) Aligned. Score: 97  
 Sequences (1:8) Aligned. Score: 94  
 Sequences (2:3) Aligned. Score: 98  
 Sequences (2:4) Aligned. Score: 90  
 Sequences (2:5) Aligned. Score: 96  
 Sequences (2:6) Aligned. Score: 92  
 Sequences (2:7) Aligned. Score: 96  
 Sequences (2:8) Aligned. Score: 92  
 Sequences (3:4) Aligned. Score: 90  
 Sequences (3:5) Aligned. Score: 94  
 Sequences (3:6) Aligned. Score: 91  
 Sequences (3:7) Aligned. Score: 94  
 Sequences (3:8) Aligned. Score: 90  
 Sequences (4:5) Aligned. Score: 91  
 Sequences (4:6) Aligned. Score: 87  
 Sequences (4:7) Aligned. Score: 91  
 Sequences (4:8) Aligned. Score: 87  
 Sequences (5:6) Aligned. Score: 94  
 Sequences (5:7) Aligned. Score: 97  
 Sequences (5:8) Aligned. Score: 94  
 Sequences (6:7) Aligned. Score: 95  
 Sequences (6:8) Aligned. Score: 93  
 Sequences (7:8) Aligned. Score: 95

Guide tree                    file created: [/ebi/extserv/clustalw-work/interactive/2007040600/clust

Start of Multiple Alignment

There are 7 groups

Aligning...

Group 1: Sequences: 2            Score:8225  
 Group 2: Sequences: 2            Score:7991  
 Group 3: Sequences: 3            Score:8080  
 Group 4: Sequences: 5            Score:8024  
 Group 5: Sequences: 2            Score:8203  
 Group 6: Sequences: 7            Score:7946  
 Group 7: Sequences: 8            Score:7822

Alignment Score 63551

CLUSTAL-Alignment file created [/ebi/extserv/clustalw-work/interactive/2007040600/clustal